

1 ABSTRACT

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3 A wedge anchor comprising a barrel having a wedge receiving face opposite a rod

4 receiving face, a passage extending therethrough between the wedge receiving face and

5 the rod receiving face, the passage narrowing toward the rod receiving face and having

6 an axial cross-sectional profile defining a convex arc; and, a plurality of wedges

7 insertable into the passage, each of the wedges having a respective inner wedge face for

8 defining a rod receiving passage for receiving a rod and an outer wedge face, opposite

9 the inner wedge face, in axial cross-section having a profile complementary to the

10 convex arc.

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1. Parts List:

10	wedge
11	barrel
13	wedge receiving face
15	rod receiving face
17	passage
19	convex arc
21	wedge
23	inner wedge face
25	rod receiving passage
27	rod
29	outer wedge face
31	radius of curvature
33	sleeve
35	inner wedge face layer
37	rod end portion
39	wedge length
41	Rod 27 surface
43	Rod 27 surface irregularities
45	inner wedge surface irregularities

51	concrete member (CM)
53	CM rod receiving face
55	CM passage
57	first rod end
59	second rod end
61	force arrows
63	measuring unit
65	tensile test force
67	tensile test system
69	base
70	sleeve passage
71	inner sleeve diameter
73	passage diameter
75	sleeve inner surface